

SEQUENCE LISTING

*110> Europäisches Laboratorium für Molekularbiologie

*120> Protein with cell proliferation and cell division
modulating activity and DNA encoding such protein

*130> 19595PWO

*140> PCT/EP00/00877

*141> 2000-02-03

*150> EP 99102172.6

*151> 1999-02-03

*160> 4

*170> PatentIn Ver. 2.1

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*211> 1373

*212> DNA

*213> Xenopus sp.

*220>

*221> CDS

*222> (214)..(1113)

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Gln Ala Phe Tyr Arg Leu Leu Glu Asn Glu Gln Ile Gln Glu Phe Leu
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Ser Met Asp Ser Cys Leu Arg Ile Ser Asp Lys Tyr Leu Ile Ala Met
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Val Leu Ala Tyr Phe Lys Arg Ala Ala Gly Leu Tyr Thr Ser Glu Tyr
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Thr Thr Met Asn Phe Phe Val Ala Leu Tyr Leu Ala Asn Asp Met Glu
 115 120 125

Glu Asp Glu Glu Asp Tyr Lys Tyr Glu Ile Phe Pro Trp Ala Leu Gly
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Asp Ser Trp Arg Glu Leu Phe Pro Gln Phe Leu Arg Leu Arg Asp Asp
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Phe Trp Ala Lys Met Asn Tyr Arg Ala Val Val Ser Arg Arg Cys Cys
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Asp Glu Val Met Ser Lys Asp Pro Thr His Trp Ala Trp Leu Arg Asp
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Arg Pro Met His His Ser Gly Ala Met Arg Gly Tyr Leu Arg Asn Glu
 195 200 205

Asp Asp Phe Phe Pro Arg Gly Pro Gly Leu Thr Pro Ala Ser Cys Thr
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Leu Cys His Lys Ala Gly Val Cys Asp Ser Gly Gly Val Ser His Asn
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Asn Ser Ser Ser Pro Glu Gln Glu Ile Phe His Tyr Thr Asn Arg Glu
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Trp Ser Gln Glu Leu Leu Met Leu Pro Pro Glu Leu Leu Leu Asp Pro
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Glu Pro Asp Gly Thr Ala Leu Glu Trp His His Leu
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 (212) DNA
 (213) Xenopus sp.

(220)
 (221) CDS
 (222) (163)..(1056)

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 Gln Ser Ala Thr Arg Ala Thr Leu Val Cys Gly Ser Gly Val Lys Gln
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 Arg Ile Thr His Leu Asn Leu Gln Pro Gln Glu Arg Gln Ala Phe Tyr
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K I S D K Y L I A M V L A Y F K R A G L 106
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R A V V S R R C D E V M A K D P T H W 186
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SEQ ID NO.3

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D	K	Y	L	I	A	M	V	L	A	Y	F	K	R	A	A	G	L	Y	T	109	
S	E	Y	T	T	M	N	F	F	V	A	L	Y	L	A	N	D	M	E	E	129	
D	E	E	D	Y	K	Y	E	I	F	P	W	A	L	G	D	S	W	R	E	149	
L	F	P	Q	F	L	R	L	R	D	D	F	W	A	K	M	N	Y	R	A	169	
V	V	S	R	R	C	C	D	E	V	M	S	K	D	P	T	H	W	A	W	189	
L	R	D	R	P	M	H	H	S	G	A	M	R	G	Y	L	R	N	E	D	209	
D	F	F	P	R	G	P	G	L	T	P	A	S	C	T	L	C	H	K	A	229	
G	V	C	D	S	G	G	V	S	H	N	N	S	S	S	P	E	Q	E	I	249	
F	H	Y	T	N	R	E	W	S	Q	E	L	L	M	L	P	P	E	L	L	269	
L	D	P	E	C	T	H	D	L	H	I	L	Q	E	P	L	V	G	L	E	289	
P	D	G	T	A	L	E	W	H	H	L	*	*								300	

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A	T	R	A	T	L	V	C	G	S	G	V	K	Q	I	I	A	K	G	H	26
P	N	T	R	V	F	G	A	R	K	A	K	I	P	E	R	E	V	L	A	46
A	K	P	K	I	T	R	I	T	H	L	N	L	Q	P	Q	E	R	Q	A	66
F	Y	R	L	L	E	N	E	L	I	Q	E	F	L	S	M	D	S	C	L	86
K	I	S	D	K	Y	L	I	A	M	V	L	A	Y	F	K	R	A	G	L	106
Y	T	S	E	Y	T	T	M	N	F	F	V	A	L	Y	L	A	N	D	M	126
E	E	D	E	E	D	Y	K	Y	E	I	F	P	W	A	L	G	D	S	W	146
R	E	F	F	P	Q	F	L	R	L	R	D	D	F	W	A	K	M	N	Y	166
R	A	V	V	S	R	R	C	C	D	E	V	M	A	K	D	P	T	H	W	186
A	W	L	R	D	R	P	I	H	H	S	G	A	L	R	G	Y	L	R	N	206
E	D	D	F	F	P	R	G	P	G	L	T	P	A	S	C	A	L	C	H	226
K	A	S	V	C	D	S	G	G	V	S	H	D	N	S	S	P	E	Q	E	246
I	F	H	Y	T	N	R	E	W	S	Q	E	L	L	I	L	P	P	E	L	266
L	L	D	P	E	S	T	Y	D	I	H	I	F	Q	E	P	L	V	G	L	286
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